

Internal Revenue Service, Treasury

§ 1.167(b)-1

the regulations thereunder, for rules relating to changes in the method of computing depreciation, and § 1.167(c)-1 for restriction on the use of certain methods. See also § 1.167(a)-7 for definition of account.

§ 1.167(b)-1 Straight line method.

(a) *In general.* Under the straight line method the cost or other basis of the property less its estimated salvage value is deductible in equal annual amounts over the period of the estimated useful life of the property. The allowance for depreciation for the taxable year is determined by dividing the adjusted basis of the property at the beginning of the taxable year, less salvage value, by the remaining useful life of the property at such time. For convenience, the allowance so determined may be reduced to a percentage or fraction. The straight line method may be used in determining a reasonable allowance for depreciation for any property which is subject to depreciation under section 167 and it shall be used in all cases where the taxpayer has not adopted a different acceptable method with respect to such property.

(b) *Illustrations.* The straight line method is illustrated by the following examples:

Example (1). Under the straight line method items may be depreciated separately:

Year and item	Cost or other basis less salaries	Useful life (years)	Depreciation allowable		
			1954	1955	1956
1954:					
Asset A	\$1,600	4	¹ \$200	\$400	\$400
Asset B	12,000	40	¹ 150	300	300

¹ In this example it is assumed that the assets were placed in service on July 1, 1954.

Example (2). In group, classified, or composite accounting, a number of assets with the same or different useful lives may be combined into one account, and a single rate of depreciation, i.e., the group, classified, or composite rate used for the entire account. In the case of group accounts, i.e., accounts containing assets which are similar in kind and which have approximately the same esti-

mated useful lives, the group rate is determined from the average of the useful lives of the assets. In the case of classified or composite accounts, the classified or composite rate is generally computed by determining the amount of one year's depreciation for each item or each group of similar items, and by dividing the total depreciation thus obtained by the total cost or other basis of the assets. The average rate so obtained is to be used as long as subsequent additions, retirements, or replacements do not substantially alter the relative proportions of different types of assets in the account. An example of the computation of a classified or composite rate follows:

Cost or other basis	Estimated useful life (years)	Annual depreciation
\$10,000	5	\$2,000
10,000	15	667
20,000		2,667

Average rate is 13.33 percent (\$2,667÷\$20,000) unadjusted for salvage. Assuming the estimated salvage value is 10 percent of the cost or other basis, the rate adjusted for salvage will be 13.33 percent minus 10 percent of 13.33 percent (13.33% - 1.33%), or 12 percent.

Example (3). The use of the straight line method for group, classified, or composite accounts is illustrated by the following example: A taxpayer filing his returns on a calendar year basis maintains an asset account for which a group rate of 20 percent has been determined, before adjustment for salvage. Estimated salvage is determined to be 6½ percent, resulting in an adjusted rate of 18.67 percent. During the years illustrated, the initial investment, additions, retirements, and salvage recoveries, which were determined not to change the composition of the group sufficiently to require a change in rate, were assumed to have been made as follows:

1954—Initial investment of \$12,000.

1957—Retirement \$2,000, salvage realized \$200.

1958—Retirement \$2,000, salvage realized \$200.

1959—Retirement \$4,000, salvage realized \$400.

1959—Additions \$10,000.

1960—Retirement \$2,000, no salvage realized.

1961—Retirement \$2,000, no salvage realized.

DEPRECIABLE ASSET ACCOUNT AND DEPRECIATION COMPUTATION ON AVERAGE BALANCES

Year	Asset balance Jan. 1	Current additions	Current retirements	Asset balance Dec. 31	Average balance	Rate (percent)	Allowable depreciation
1954	\$12,000	.....	\$12,000	\$6,000	18.67	\$1,120

DEPRECIABLE ASSET ACCOUNT AND DEPRECIATION COMPUTATION ON AVERAGE BALANCES—
Continued

Year	Asset balance Jan. 1	Current additions	Current retirements	Asset balance Dec. 31	Average balance	Rate (percent)	Allowable depreciation
1955	\$12,000	.....	.....	12,000	12,000	18.67	2,240
1956	12,000	.....	.....	12,000	12,000	18.67	2,240
1957	12,000	.....	\$2,000	10,000	11,000	18.67	2,054
1958	10,000	.....	2,000	8,000	9,000	18.67	1,680
1959	8,000	10,000	4,000	14,000	11,000	18.67	2,054
1960	14,000	.....	2,000	12,000	13,000	18.67	2,427
1961	12,000	.....	2,000	10,000	11,000	18.67	2,054

CORRESPONDING DEPRECIATION RESERVE ACCOUNT

Year	Depreciation reserve Jan. 1	Depreciation allowable	Current retirements	Salvage realized	Depreciation reserve Dec. 31
1954 .....	.....	\$1,120	.....	.....	\$1,120
1955	\$1,120	2,240	.....	.....	3,360
1956	3,360	2,240	.....	.....	5,600
1957	5,600	2,054	\$2,000	\$200	5,854
1958	5,854	1,680	2,000	200	5,734
1959	5,734	2,054	4,000	400	4,188
1960	4,188	2,427	2,000	.....	4,615
1961	4,615	2,054	2,000	.....	4,669

§ 1.167(b)-2 Declining balance method.

(a) *Application of method.* Under the declining balance method a uniform rate is applied each year to the unrecovered cost or other basis of the property. The unrecovered cost or other basis is the basis provided by section 167(g), adjusted for depreciation previously allowed or allowable, and for all other adjustments provided by section 1016 and other applicable provisions of law. The declining balance rate may be determined without resort to formula. Such rate determined under section 167(b)(2) shall not exceed twice the appropriate straight line rate computed without adjustment for salvage. While salvage is not taken into account in determining the annual allowances under this method, in no event shall an asset (or an account) be depreciated below a reasonable salvage value. However, see section 167(f) and § 1.167(f)-1 for rules which permit a reduction in the amount of salvage value to be taken into account for certain personal property acquired after October 16, 1962. Also, see section 167(c) and § 1.167(c)-1 for restrictions on the use of the declining balance method.

(b) *Illustrations.* The declining balance method is illustrated by the following examples:

Example (1). A new asset having an estimated useful life of 20 years was purchased on January 1, 1954, for \$1,000. The normal straight line rate (without adjustment for salvage) is 5 percent, and the declining balance rate at twice the normal straight line rate is 10 percent. The annual depreciation allowances for 1954, 1955, and 1956 are as follows:

Year	Basis	Declining balance rate (percent)	Deprecia- tion allowance
1954	\$1,000	10	\$100
1955	900	10	90
1956	810	10	81

Example (2). A taxpayer filing his returns on a calendar year basis maintains a group account to which a 5 year life and a 40 percent declining balance rate are applicable. Original investment, additions, retirements, and salvage recoveries are the same as those set forth in example (3) of paragraph (b) of § 1.167(b)-1. Although salvage value is not taken into consideration in computing a declining balance rate, it must be recognized and accounted for when assets are retired.